

Please delete Claim 7.

Please amend claim 13 to read as follows:

Claim ¹³13 (amended). In a local area network attached to a wide area network, a method for improving the security of the local area network, comprising:

A²
monitoring communications between the local area network and the wide area network;
determining, over time, if the communications between the local area network and the wide area network contain patterns of activity indicative of an attempted security breach; and
generally simultaneously controlling a firewall to selectively block communications between the local area network and the wide area network depending upon a classification of the attempted security breach.

Please amend claim 21 to read as follows:

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103
Claim 21 (amended). A computer program product which includes codes on a computer readable medium wherein codes are being executed by a computer system, [comprising a computer usable medium having a computer readable code embodied thereon configured to operate on a computer,] comprising:

A³
a detect code operation performed by the codes on the computer readable medium wherein known improper code is detected; and
a detect patterns operational routine performed by the codes on the computer readable medium wherein a pattern of activity is detected over time.

(Please amend claim 22 to read as follows:)

Claim 22 (amended). The computer program product of claim 21, and further including:
a weighting operation performed by the codes on the computer readable medium wherein a weight is assigned to a detected security breach.

(Please amend claim 23 to read as follows:)

Claim 23 (amended). The computer program product of claim 21, wherein:
a firewall is automatically reprogrammed by the codes on the computer readable medium.

(Please amend claim 24 to read as follows:)

Claim 24 (amended). A computer program product which includes codes on a computer readable medium wherein codes are being executed by a computer system, [comprising a computer usable medium having a computer readable code embodied thereon configured to operate on a computer,] comprising:

at least one detect operation performed by the codes on the computer readable medium wherein a computer security breach is detected; and

a weighting operation performed by the codes on the computer readable medium wherein a weight is assigned according to the importance of the security breach.

A³ (Please amend claim 25 to read as follows:)

Claim 25 (amended). The computer program product of claim 24, and further including:

a react operation performed by the codes on the computer readable medium wherein a firewall is reprogrammed in real time to react to the security breach.

(Please amend claim 26 to read as follows:)

2 Claim 26 (amended). A computer program product which includes codes on a computer readable medium wherein codes are being executed by a computer system, [comprising a computer usable medium having a computer readable code embodied thereon configured to operate on a computer,] comprising:

at least one detect operation performed by the codes on the computer readable medium wherein a computer security breach is detected; and

a react operation performed by the codes on the computer readable medium wherein a firewall is reprogrammed in real time to react to the security breach [;].

REMARKS

These remarks are in response to the Office Action dated 8/12/99, which has a shortened statutory period set to expire 11/12/1999. A one-month extension, to expire 12/13/1999 (12/12/99 being a Sunday), is requested in a petition filed herewith.